

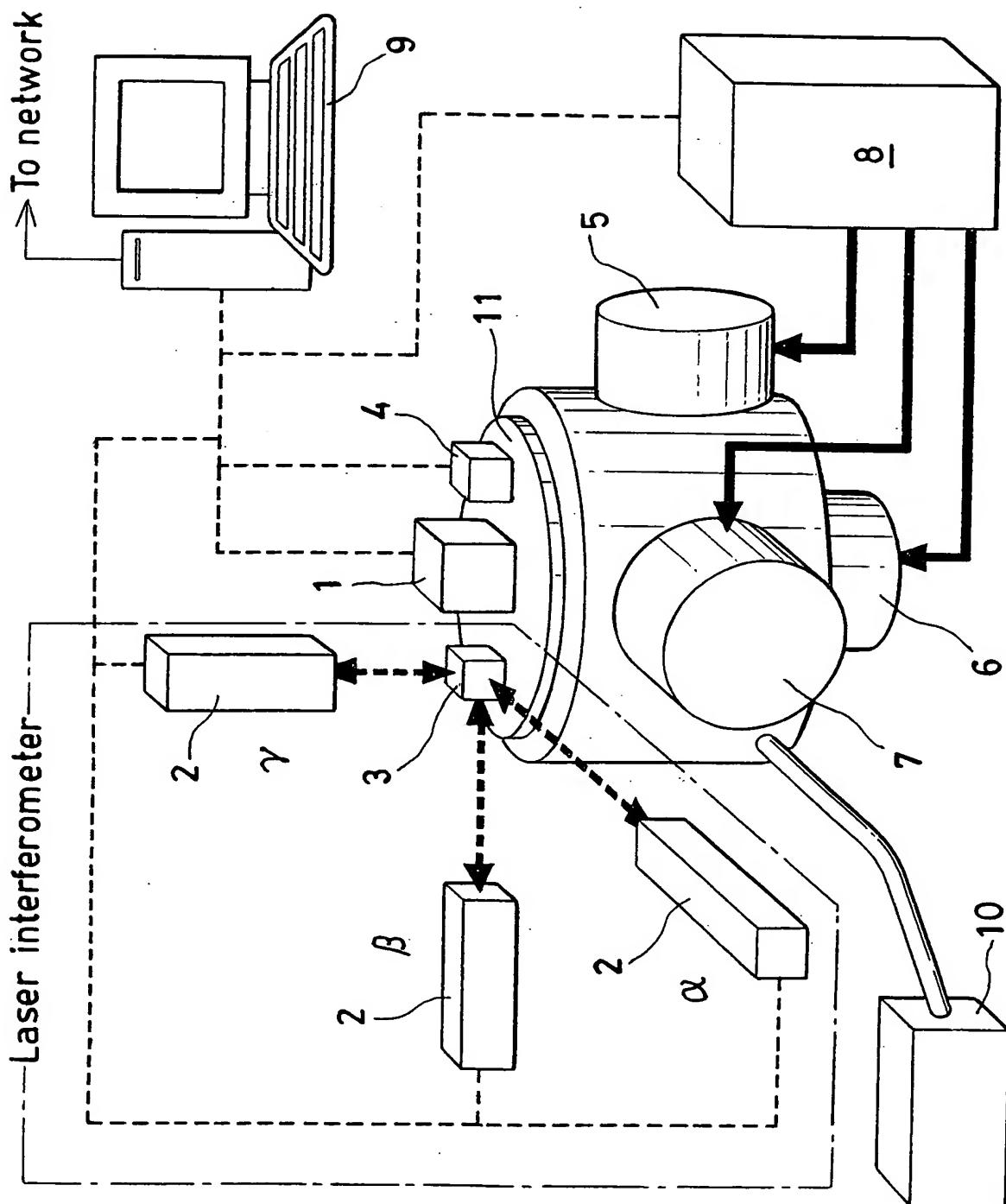
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O I P E JAPAN

Oblon, Spivak, et al.
703-413-3000
Docket # 280512US
Sheet 1 of 9

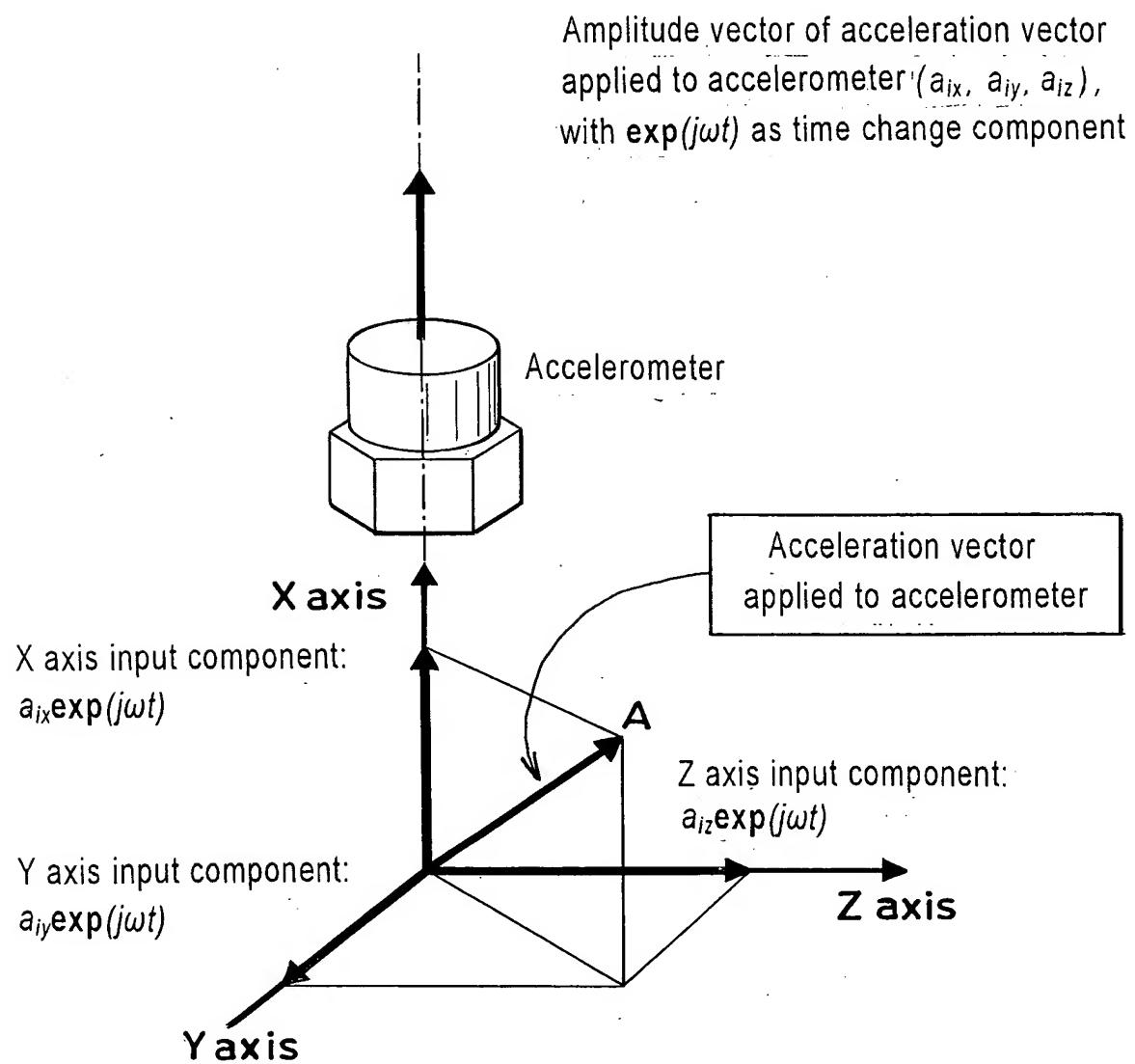
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F I G . 1

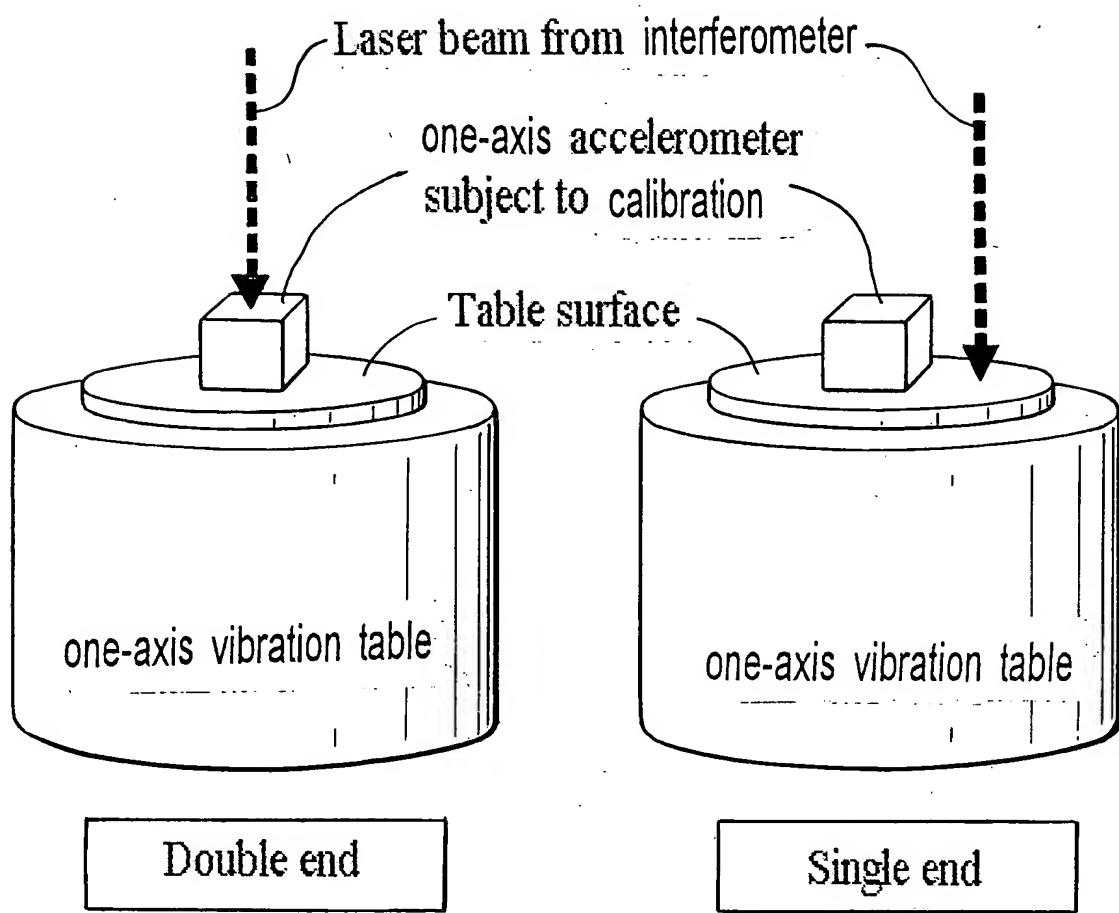
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F I G . 2

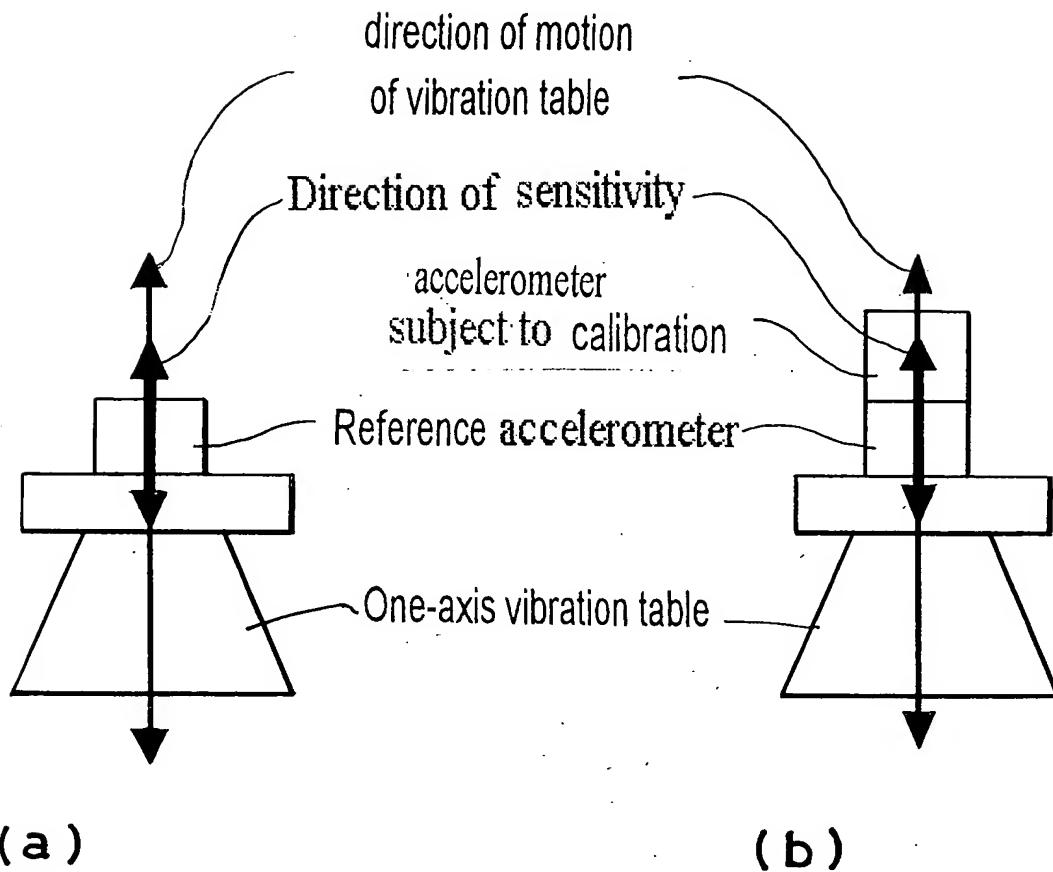


F I G . 3

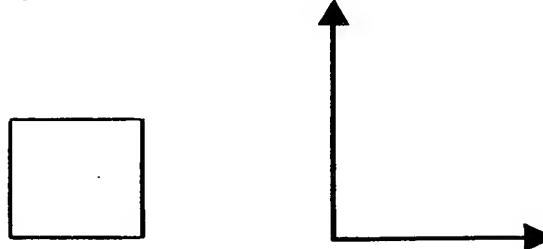


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FIG. 4



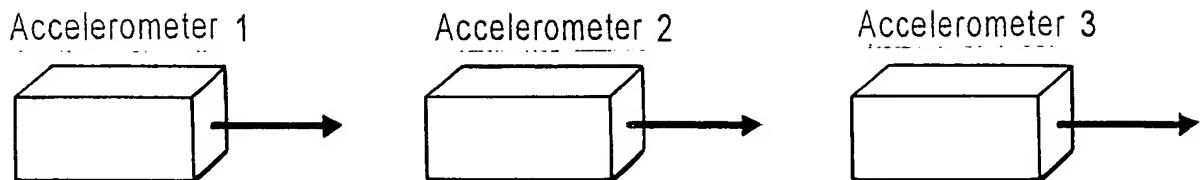
(c)



direction of motion of vibration table

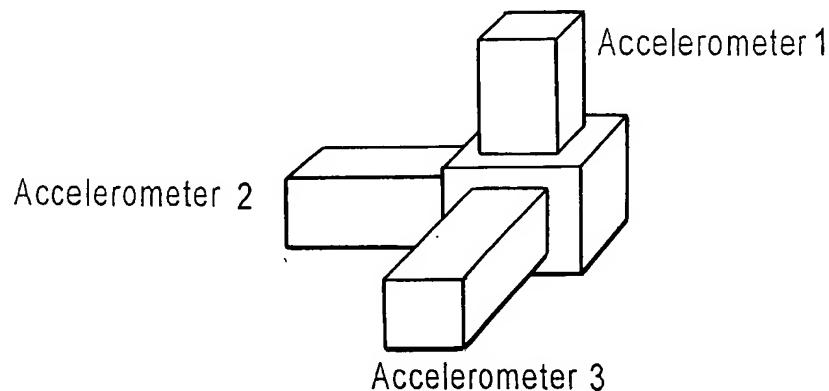
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FIG. 5



Accelerometer	Angle with gravitational acceleration	Matrix sensitivity
Accelerometer 1	Vertical	$(S_{x,x}, 90.1, S_{x,y}, 90.1, S_{x,z}, 90.1)$
	Horizontal	$(S_{x,x}, 0.1, S_{x,y}, 0.1, S_{x,z}, 0.1)$
Accelerometer 2	Vertical	$(S_{x,x}, 90.2, S_{x,y}, 90.2, S_{x,z}, 90.2)$
	Horizontal	$(S_{x,x}, 0.2, S_{x,y}, 0.2, S_{x,z}, 0.2)$
Accelerometer 3	Vertical	$(S_{x,x}, 90.3, S_{x,y}, 90.3, S_{x,z}, 90.3)$
	Horizontal	$(S_{x,x}, 0.3, S_{x,y}, 0.3, S_{x,z}, 0.3)$

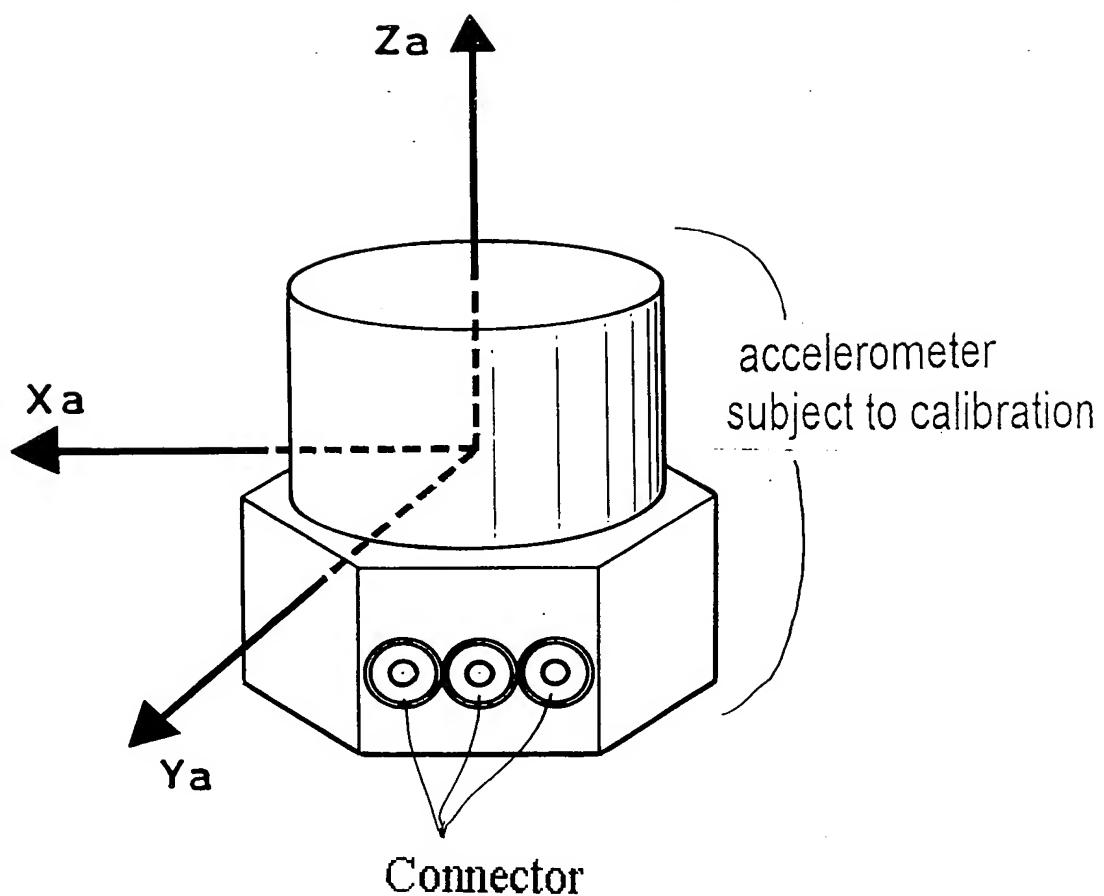
This accelerometer when assembled, manifests the following matrix sensitivity.



The matrix sensitivities of the assembled accelerometers shown above are as follows:

$$\begin{pmatrix} S_{x,x}, 90.1 & S_{x,y}, 90.1 & S_{x,z}, 90.1 \\ S_{x,x}, 0.2 & S_{x,y}, 0.2 & S_{x,z}, 0.2 \\ S_{x,x}, 0.3 & S_{x,y}, 0.3 & S_{x,z}, 0.3 \end{pmatrix}$$

FIG. 6



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F I G . 7

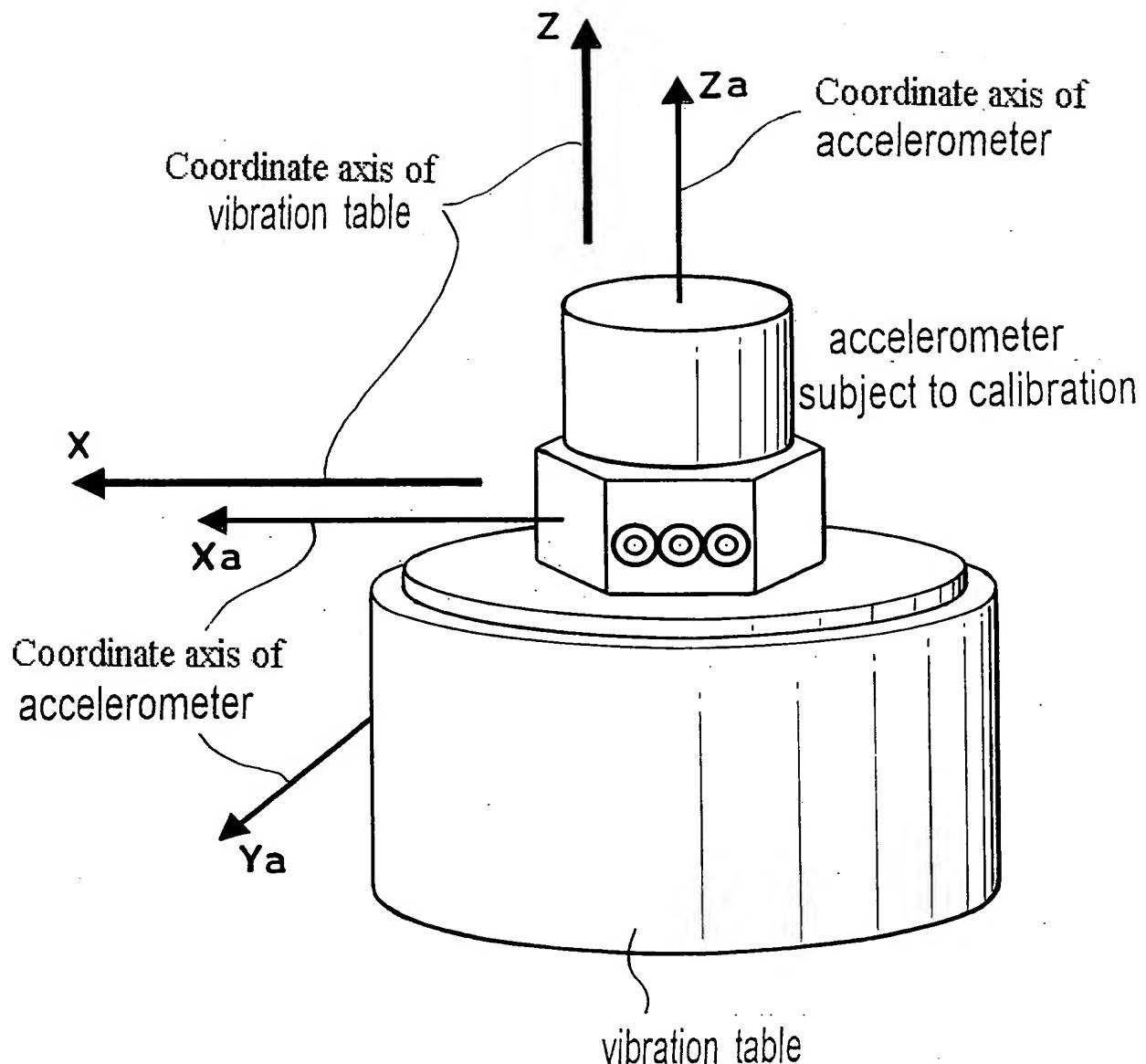
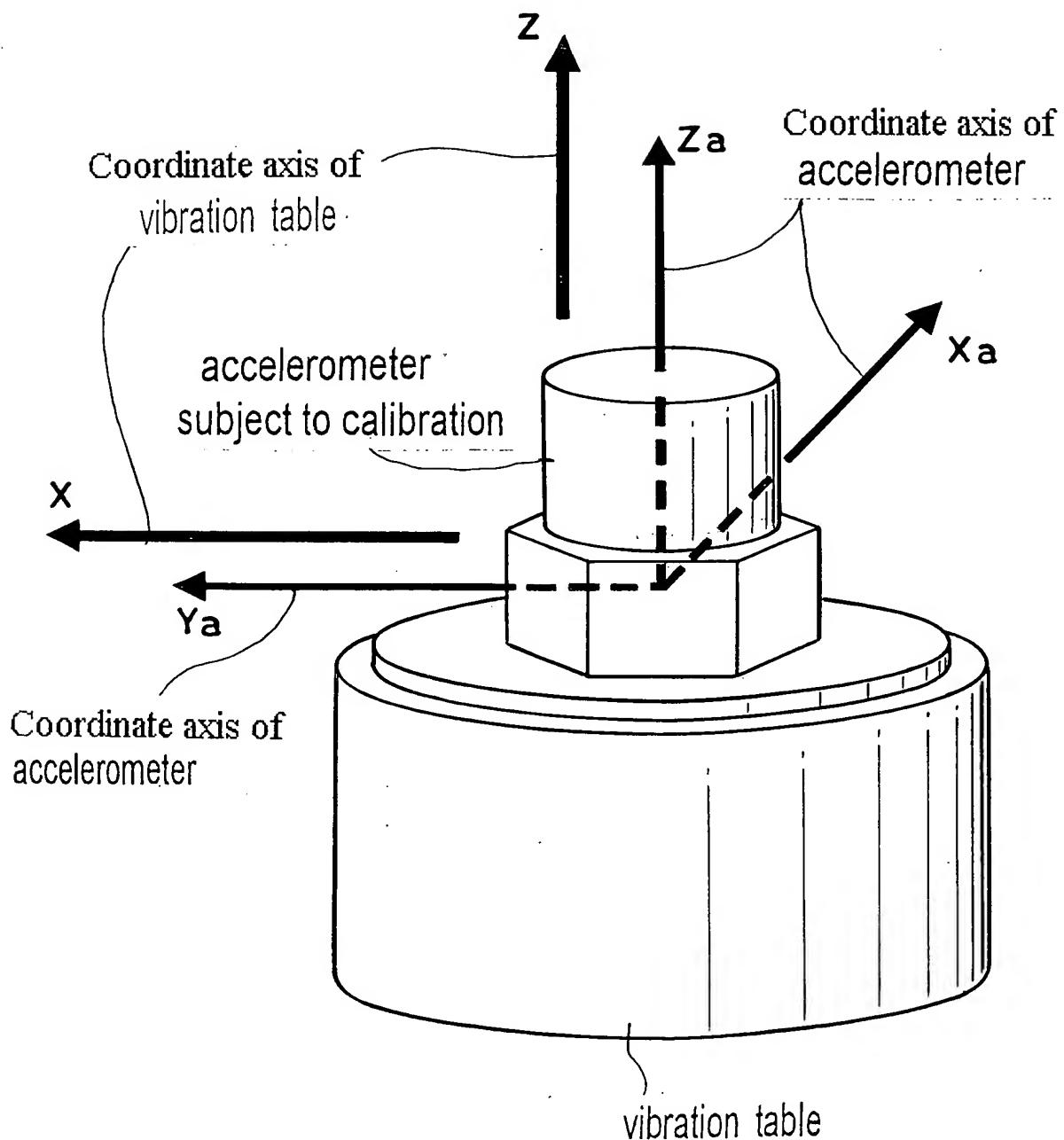
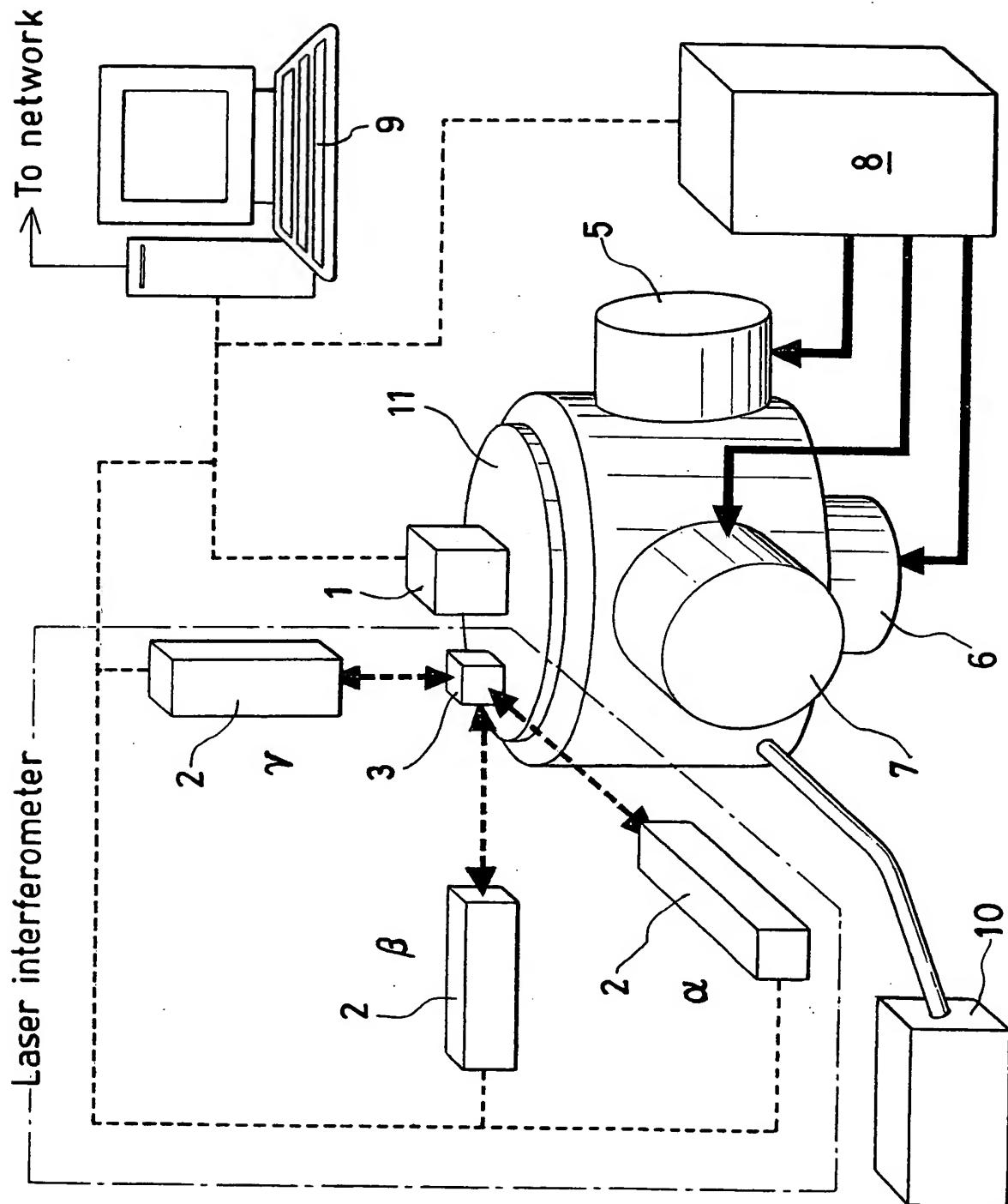


FIG. 8



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F I G . 9



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